

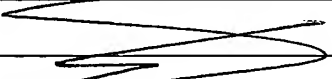
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/731,748
		Filing Date	December 9, 2003
		First Named Inventor	Charles R. Rapier
		Art Unit	1764
		Examiner Name	Thuan D. Dang
Total Number of Pages in This Submission		Attorney Docket Number	1856-42300 (9719.0-02)

**ENCLOSURES (check all that apply)**

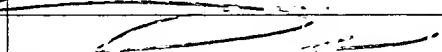
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> Statements of Lack of Deceptive Intent by Person Named as Inventors Agreeing to Change of Inventorship, Statement of Lack of Deceptive Intent by Person Being Added as an Inventor for each inventor, Assignee Consent, Declaration; Supplemental Application Data Sheet and acknowledgement postcard
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	CONLEY ROSE, P.C.	
Signature		
Printed name	Rod T. Tumey	
Date	January 5, 2006	Reg. No. 47,146

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or Printed Name	Sandra K. Begley		
Signature		Date	January 5, 2006

166565.01/1856.42300

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17i (11-04)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

### PROCESSING FEE

Under 37 CFR 1.17(i)

### TRANSMITTAL

(Fees are subject to annual revision)

Send completed form to: Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/731,748
Filing Date	December 9, 2003
First Named Inventor	Charles R. Rapier
Art Unit	1764
Examiner Name	Thuan D. Dang
Attorney Docket Number	1856-42300 (9719.0-02)

Enclosed is a paper filed under 37 CFR 1.48 that requires a processing fee (37 CFR 1.17(i)).  
Payment of \$ 130 is enclosed.

This form should be included with the above-mentioned page and faxed or mailed to the Office using the appropriate Mail Stop, if applicable. For transmittal of petition fees under 37 CFR 1.17(f), (g) or (h), see form PTO/SB/17p.

#### Payment of Fees (small entity amounts are NOT available for the petition fees)

- ☒ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 03-2769
- ☐ processing fee under 37 CFR 1.17(i) ☐ any deficiency of fees and credit of any overpayments
- Enclose a duplicative copy of this form for fee processing.

☐ Check in the amount of \$\_\_\_\_\_ is enclosed.

☐ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

#### Processing Fees under 37 CFR 1.17(i):

Fee \$130

Fee Code 1808 for all,  
Except for § 1.221 papers (Fee Code 1803)

For petitions filed under:

- § 1.28(c)(3) - for processing a non-itemized fee deficiency based on an error in small entity status.
- § 1.41 - for supplying the name or names of the inventor or inventors after the filing date without an oath or declaration as prescribed by § 1.63, except in provisional applications.
- § 1.48 - for correcting inventorship, except in provisional applications.
- § 1.52(d) - for processing a nonprovisional application filed with a specification in a language other than English.
- § 1.53(b)(3) - to convert a provisional application filed under § 1.53(c) into a nonprovisional application under § 1.53(b).
- § 1.55 - for entry of late priority papers.
- § 1.99(e) - for processing a belated submission under § 1.99.
- § 1.103(b) - for requesting limited suspension of action, continued prosecution application (§ 1.53(d)).
- § 1.103(c) - for requesting limited suspension of action, request for continued examination (§ 1.114).
- § 1.103(d) - for requesting deferred examination of an application.
- § 1.217 - for processing a redacted copy of a paper submitted in the file of an application in which a redacted copy was submitted for the patent application publication.
- § 1.221 - for requesting voluntary publication or republication of an application. Fee Code 1803
- § 1.291(c)(5) - for processing a second or subsequent protest by the same real party in interest.
- § 1.497(d) - for filing an oath or declaration pursuant to 35 U.S.C. 371(c)(4) naming an inventive entity different from the inventive entity set forth in the international stage.
- § 3.81 - for a patent to issue to assignee, assignment submitted after payment of the issue fee.

Signature

Tod T. Tumey

Typed or printed name

January 5, 2006

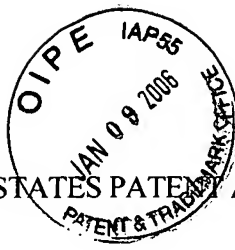
Date

47,146

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/731,748 Confirmation No. 4300  
Applicant : Charles R. Rapier et al. TC/A.U. : 1764  
Filed : December 9, 2003 Customer No.: 31889  
Examiner : Thuan D. Dang  
Docket No. : 1856-42300 (9719.0-02)  
For: Reactor and Process for Converting Alkanes to Alkenes

PETITION TO CORRECT INVENTORSHIP BY THE ADDITION  
OF INVENTOR(S) (37 CFR 1.48(a) AND/OR (c))

Mail Stop Petitions  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Date: January 5, 2006

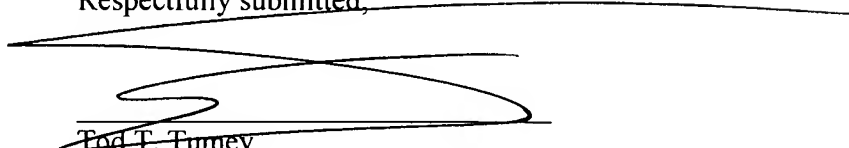
Sir:

Applicant for the above-identified application submits this petition under 37 C.F.R. § 1.48(a) to correct the incorrect original naming of inventors in the Declaration. Applicant requests that **James A. McMahon** be added as an inventor of this application, Serial No. 10/731,748.

Attached are *Statements of Lack of Deceptive Intent by Person Named as Inventors Agreeing to Change of Inventorship*, *Statement of Lack of Deceptive Intent by Person Being Added as an Inventor* for each inventor, *Assignee Consent* and a *Declaration* of each of the actual inventors.

The Commissioner is hereby authorized to charge Deposit Account 03-2769, Conley Rose, P.C., in the amount of \$130 for the filing of this petition.

Respectfully submitted,

  
Todd T. Turney

Reg. No. 47,146  
Conley Rose, P.C.  
P. O. Box 3267  
Houston, Texas 77253-3267  
(713) 238-8000  
ATTORNEY/AGENT FOR APPLICANT

01/10/2006 EAREGAY1 00000007 032769 10731748

01 FC:1464 130.00 DA



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles R. Rapier et al. §  
Serial No.: 10/731,748 § Group Art Unit: 1764  
Filed: December 9, 2003 § Examiner: Thuan D. Dang  
For: Reactor and Process For § Conf. No.: 4300  
Converting Alkanes to Alkenes §

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON BEING ADDED AS AN INVENTOR**

Atty. Dkt. No.: 1856-42300 (9719.0-02)  
Date: October 21, 2005

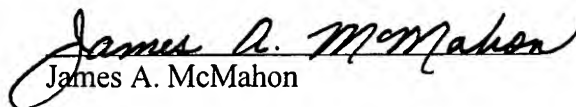
Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

James A. McMahon does hereby declare that:

1. I was erroneously omitted as a named inventor in the above-identified application at the time it was filed. This error arose without any deceptive intention on my part.
2. Further, I declare not.

Date: Oct. 28, 2005

  
James A. McMahon



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Charles R. Rapier et al.	§	
Serial No.:	10/731,748	§	Group Art Unit: 1764
Filed:	December 9, 2003	§	Examiner: Thuan D. Dang
For:	Reactor and Process For Converting Alkanes to Alkenes	§	Conf. No.: 4300

**ASSIGNEE CONSENT**

Atty. Dkt. No.: 1856-42300 (9719.0-02)

Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Sir:

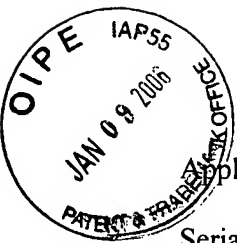
The undersigned, being Assignee of the entire interest of the above-identified application by virtue of a previously filed assignment, hereby consents to a correction of inventorship to include James A. McMahon as an actual inventor along with the previously named inventors, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison, in connection with the captioned application, Serial No. 10/731,748.

The undersigned is empowered to act on behalf of the Assignee.

ConocoPhillips Company

By: \_\_\_\_\_

  
David W. Westphal  
Attorney-in-Fact



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Charles R. Rapier et al.	§	
		§	
Serial No.:	10/731,748	§	Group Art Unit: 1764
		§	
Filed:	December 9, 2003	§	Examiner: Thuan D. Dang
		§	
For:	Reactor and Process For	§	Conf. No.: 4300
	Converting Alkanes to Alkenes	§	

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)  
Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.

2. Further, I declare not.

Date: Oct. 25, 2005

Charles R. Rapier  
Charles R. Rapier

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Daniel P. Holderman

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Zhen Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Shang Y. Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Steven R. McDonald

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Lisa M. Budin

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Sriram Ramani

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Joe D. Allison



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Charles R. Rapier et al.	§	
Serial No.:	10/731,748	§	Group Art Unit: 1764
Filed:	December 9, 2003	§	Examiner: Thuan D. Dang
For:	Reactor and Process For Converting Alkanes to Alkenes	§	Conf. No.: 4300

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)  
Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.
2. Further, I declare not.

Date: \_\_\_\_\_, 2005

Date: October 31, 2005

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Charles R. Rapier

  
\_\_\_\_\_  
Daniel P. Holderman

\_\_\_\_\_  
Zhen Chen



Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Shang Y. Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Steven R. McDonald

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Lisa M. Budin

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Sriram Ramani

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Joe D. Allison



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles R. Rapier et al. §  
Serial No.: 10/731,748 § Group Art Unit: 1764 §  
Filed: December 9, 2003 § Examiner: Thuan D. Dang §  
For: Reactor and Process For § Conf. No.: 4300 §  
Converting Alkanes to Alkenes §

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)

Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R.

McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.

2. Further, I declare not.

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Charles R. Rapier

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Daniel P. Holderman

Date: 12/5/, 2005

  
\_\_\_\_\_  
Zhen Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Shang Y. Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Steven R. McDonald

Date: \_\_\_\_\_, 2005

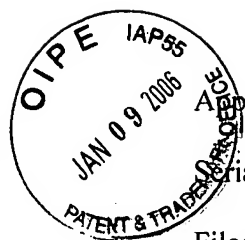
\_\_\_\_\_  
Lisa M. Budin

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Sriram Ramani

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Joe D. Allison



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Charles R. Rapier et al.	§	
Serial No.:	10/731,748	§	Group Art Unit: 1764
Filed:	December 9, 2003	§	Examiner: Thuan D. Dang
For:	Reactor and Process For Converting Alkanes to Alkenes	§	Conf. No.: 4300

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)

Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.
2. Further, I declare not.

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Charles R. Rapier


Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Daniel P. Holderman

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Zhen Chen

Date: 10-26, 2005

  
Shang Y. Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Steven R. McDonald

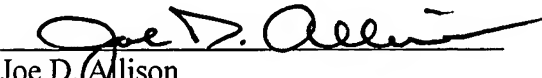
Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Lisa M. Budin

Date: Oct. 26, 2005

  
Sriram Ramani

Date: Oct. 26, 2005

  
Joe D. Allison



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Charles R. Rapier et al.	§	
Serial No.:	10/731,748	§	Group Art Unit: 1764
Filed:	December 9, 2003	§	Examiner: Thuan D. Dang
For:	Reactor and Process For Converting Alkanes to Alkenes	§	Conf. No.: 4300

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)  
Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.
2. Further, I declare not.

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Charles R. Rapier

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Daniel P. Holderman

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Zhen Chen

Date: \_\_\_\_\_, 2005

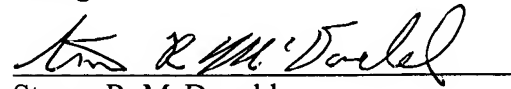
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Date: \_\_\_\_\_, 2005

Date: \_\_\_\_\_, 2005

Date: \_\_\_\_\_, 2005

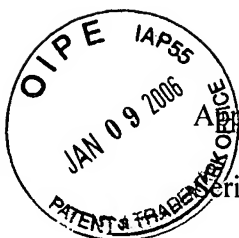
\_\_\_\_\_  
Shang Y. Chen

\_\_\_\_\_  
  
Steven R. McDonald

\_\_\_\_\_  
Lisa M. Budin

\_\_\_\_\_  
Sriram Ramani

\_\_\_\_\_  
Joe D. Allison



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles R. Rapier et al. §  
Serial No.: 10/731,748 § Group Art Unit: 1764  
Filed: December 9, 2003 § Examiner: Thuan D. Dang  
For: Reactor and Process For § Conf. No.: 4300  
Converting Alkanes to Alkenes §

**STATEMENT OF LACK OF DECEPTIVE INTENT**  
**BY PERSON NAMED AS INVENTORS AGREEING TO**  
**CHANGE OF INVENTORSHIP**

Atty. Dkt. No.: 1856-42300 (9719.0-02)

Date: October 21, 2005

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, Charles R. Rapier, Daniel P. Holderman, Zhen Chen, Shang Y. Chen, Steven R. McDonald, Lisa M. Budin, Sriram Ramani and Joe D. Allison do hereby declare that:

1. James A. McMahon was erroneously omitted as named inventor in the above-identified application. This error arose without any deceptive intention on our part.
2. Further, I declare not.

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Charles R. Rapier

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Daniel P. Holderman

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Zhen Chen



Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Shang Y. Chen

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Steven R. McDonald

Date: Nov. 1, 2005

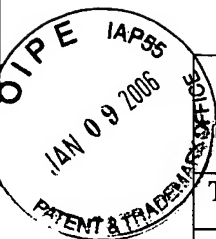
\_\_\_\_\_  
*Lisa M. Budin*  
Lisa M. Budin

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Sriram Ramani

Date: \_\_\_\_\_, 2005

\_\_\_\_\_  
Joe D. Allison



## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

<b>Title of Invention</b>	<b>Reactor and Process for Converting Alkanes to Alkenes</b>
---------------------------	--

As below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ Application No. 10/731,748, filed on December 9, 2003.

☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

### FULL NAME OF INVENTOR(S)

Inventor one: Charles R. Rapier Date: Oct. 25, 2005

Signature: Charles R. Rapier Citizen of: U.S.

Inventor two: Daniel P. Holderman Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor three: Zhen Chen Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: P.R. China

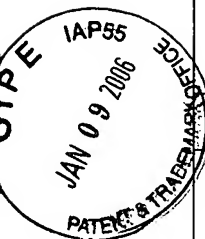
Inventor four: Shang Y. Chen Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

☒ Additional inventors are being named on 1 additional form(s) attached hereto.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

**Title of Invention**      Reactor and Process for Converting Alkanes to Alkenes

As below named inventor(s), I/we declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☒ Application No. 10/731,748, filed on December 9, 2003.

☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

### FULL NAME OF INVENTOR(S)

Inventor one: Charles R. Rapier

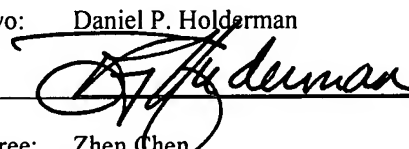
Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: U.S.

Inventor two: Daniel P. Holderman

Date: October 31, 2005

Signature: 

Citizen of: U.S.

Inventor three: Zhen Chen

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: P.R. China

Inventor four: Shang Y. Chen

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: U.S.

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## FULL NAME OF INVENTOR(S)

Inventor one: Charles R. Rapier Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor two: Daniel P. Holderman Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor three: Zhen Chen Date: 12/4/, 2005

Signature:  Citizen of: ~~P.R. China~~ U.S.

Inventor four: Shang Y. Chen Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

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Inventor one:      Charles R. Rapier      Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_      Citizen of:      U.S.

Inventor two:      Daniel P. Holderman      Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_      Citizen of:      U.S.

Inventor three:      Zhen Chen      Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_      Citizen of:      P.R. China

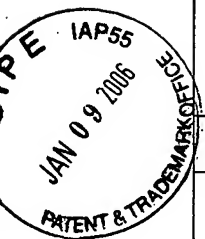
Inventor four:      Shang Y. Chen      Date: 10-26, 2005

Signature:       Citizen of:      U.S.

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### FULL NAME OF INVENTOR(S)

Inventor five:      Steven R. McDonald

Date: Oct 27, 2004

Signature: [Signature]

Citizen of: U.S.

Inventor six:      Lisa M. Budin

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: U.S.

Inventor seven:      Sriram Ramani

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: India

Inventor eight:      Joe D. Allison

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: U.S.

Inventor nine:      James A. McMahon

Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_

Citizen of: U.S.

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**FULL NAME OF INVENTOR(S)**

Inventor five: Steven R. McDonald Date: \_\_\_\_\_, 2004

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor six: Lisa M. Budin Date: Nov. 1, 2005Signature: Lisa M. Budin Citizen of: U.S.

Inventor seven: Sriram Ramani Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: India

Inventor eight: Joe D. Allison Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor nine: James A. McMahon Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

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Inventor five: Steven R. McDonald Date: \_\_\_\_\_, 2004

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor six: Lisa M. Budin Date: \_\_\_\_\_, 2005

Signature: \_\_\_\_\_ Citizen of: U.S.

Inventor seven: Sriram Ramani Date: Oct. 26, 2005Signature: Sriram Ramani Citizen of: IndiaInventor eight: Joe D. Allison Date: Oct. 26, 2005Signature: Joe D. Allison Citizen of: U.S.Inventor nine: James A. McMahon Date: Oct. 28, 2005Signature: James A. McMahon Citizen of: U.S.

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